

COMMONWEALTH OF VIRGINIA
Department of Environmental Quality
West Central Regional Office
STATEMENT OF LEGAL AND FACTUAL BASIS

Pulaski Furniture Corporation
301 N. Madison Avenue, Pulaski, Virginia
Permit No. WCRO-20470

Title V of the 1990 Clean Air Act Amendments required each state to develop a permit program to ensure that certain facilities have federal Air Pollution Operating Permits, called Title V Operating Permits. As required by 40 CFR Part 70 and 9 VAC 5 Chapter 80, Pulaski Furniture Corporation, has applied for a Title V Operating Permit renewal for its wood furniture manufacturing plant in Pulaski. The Department reviewed the application for permit renewal and has prepared a final Title V Operating Permit.

Engineer/Permit Contact:_____ Date:_____

Air Permit Manager:_____ Date:_____

FACILITY INFORMATION

Permittee

Pulaski Furniture Corporation (property owned by John & Jeff Schwarz, LLC)
301 N. Madison Avenue
Pulaski, VA 24301

Facility

Pulaski Furniture Corporation
301 N. Madison Avenue
Pulaski, VA 24301

County-Plant Identification Number: 51-055-001
Registration No.: 20470

First Renewal of Title V Operating Permit

SOURCE DESCRIPTION

NAICS Code: 337122 – Non-upholstered Wood Household Furniture Manufacturing
SIC Code 2511 – Wood Household Furniture Manufacturing

This was a conventional household wood furniture manufacturing plant. Of late, as business conditions declined, the facility shut down equipment and finally ceased its conventional furniture manufacturing operations in the spring of 2007 and now produces only samples and repairs imported pieces. A majority of the equipment has since been sold at auction and is no longer at the plant. A mutual shutdown agreement for certain equipment was signed on November 13, 2007. Subsequently the property was sold to John & Jeff Schwarz, LLC. The new property owner decided to shut down the two remaining wood-fired boilers (B1 and B2) so another mutual shutdown agreement was signed on January 22, 2008. This second mutual shutdown agreement revoked the state New Source Review permit dated October 24, 1985 as amended December 8, 1987 and August 18, 2000. The only remaining equipment at the facility is one off-line spray booth that is owned and operated by Pulaski Furniture Corp. The facility remains subject to Title V permitting since the furniture finishing operations (spray booths) are subject to the Wood Furniture MACT (JJ) and the once-in-always-in rule applies. The state New Source Review permit dated March 1, 1994 was amended and superseded on January 17, 2008 to delete all equipment except for the one remaining spray booth (ES-7 OL).

The facility is located in an attainment area for all pollutants.

The facility is no longer a Title V major for any criteria pollutants since the boilers and all but one off-line finishing spray booth have been shut down.

The off-line spray booth is subject to the existing source provisions of MACT JJ for wood furniture manufacturers. Even though the throughput of this one booth is well below Title V major thresholds for HAPs, the facility is subject to the once-in-always-in rule for MACT.

The original Title V operating permit issued to Pulaski Furniture Corporation was signed on March 14, 2002, with an effective date of March 14, 2002. The permit expired on March 14, 2007. The applicant submitted a timely and complete Title V permit application for a renewal, and has been operating under a permit shield since March 14, 2007.

Even though this facility is now considered an area source, a Title V Operating permit is required in accordance with Virginia State Air Pollution Control Board Regulations 9 VAC 5 Chapter 80, Part II, Article I.

9 VAC 5-80-50 states: “(A.) . . . the provisions of this article apply to the following stationary sources: (3.) Any source, including an area source, subject to a standard, limitation, or other requirement under section 112 of the federal Clean Air Act.”

COMPLIANCE STATUS

The facility was last inspected on May 8, 2007. It was found to be in compliance.

EMISSION UNIT AND CONTROL DEVICE IDENTIFICATION

Emission units at this facility are as follows:

Emission Unit ID	Emission Unit Description	Size/Rated Capacity	Pollution Control Device	Pollutant Controlled	Applicable Permit and/or Regulation
Wood Furniture Finishing					
ES-7 OL	1 offline conventional spray booth	varies	dry overspray filters	PM/PM-10	MACT JJ January 17, 2008 NSR

EMISSIONS INVENTORY – Actual Emissions

Actual plant emissions for calendar year 2006 as listed in the DEQ CEDS annual emission inventory system are summarized as follows:

2006 Actual Pollutant Emissions in Tons per Year						
	CO	VOC	SO ₂	PM ₁₀	NO ₂	HAPs*
TOTAL	34.566	199.479	1.531	7.606	28.255	21.455

*reported HAPs include:
ethylbenzene (0.440 tpy)
glycol ethers (2.030 tpy)
hydrogen chloride (HCl) (1.094)
MIBK (4.186)
methanol (3.551 tpy)
toluene (8.044 tpy)
Xylene (2.110 tpy)

NSPS, MACT, and CAM APPLICABILITY

NSPS

None applicable

MACT

The Wood Furniture Manufacturing MACT JJ applies to the one remaining offline spray booth at the facility. Actual use of HAPs would render this operation a true minor however the once-in-always-in rule applies.

The Plywood and Composite Wood Products MACT DDDD does not apply at this facility. They do not manufacture plywood or composite wood products. They have no dry kilns and do not perform any of the gluing operations addressed in the MACT for initial notification.

CAM

Not applicable to the overspray filters on the spray booth since PTE for particulate < 100 tpy.

CHANGES TO PLANT

The following equipment has been removed or shut down by mutual agreement since the original Title V permit was issued in March of 2002:

- ES-WD (ES-5) - Woodworking Plants #1 and #5 (all woodworking equipment and 7 fabric filter baghouses)

- ES-WD (ES-8) - Woodworking Plant #12 (miniplant) (all woodworking equipment and 3 fabric filter baghouses)
- ES-F (ES-4) - Finishing Plants #1 and #5 (18 spray booths)
- ES-F (ES-4) - Finishing Plant #12 (miniplant) (six electrostatic spray booths, six inline touch-up spray booths, flat line and one catalytic oxidizer)
- B1 - 20.0 MMBtu/hr Keeler wood-fired boiler
- B2 - 80.0 MMBtu/hr Union Iron Works wood-fired boiler

One off-line spray booth (ES-7 OL) at Plant 7 is the only equipment remaining at this facility. This spray booth has an enforceable throughput and emission limit of 6 tons per year of VOCs.

CHANGES TO PERMIT

- All equipment referenced above is deleted
- Underlying permit references for the off-line spray booth have been changed to reflect the newly amended state New Source Review permit dated January 17, 2008.

REPORTING

The permittee shall submit the following reports:

- annual Title V Compliance Certifications to DEQ and EPA (Region III) by March 1 for the previous calendar year;
- semi-annual Title V Reports to DEQ by March 1 and September 1 of each year (time periods to be addressed are January 1 to June 30 and July 1 to December 31);
- semi-annual Wood Furniture Manufacturing MACT (40 CFR 63 Subpart JJ) Reports to DEQ and EPA (Region III) by March 1 and September 1 of each year (time periods to be addressed are January 1 to June 30 and July 1 to December 31); and
- reports to DEQ within 4 daytime business hours after discovery any malfunctions and any deviations from permit requirements that may cause excess emissions for more than one hour.

GENERAL CONDITIONS

The permit contains general conditions required by 40 CFR Part 70 and 9 VAC 5-80-110 that apply to all facilities operating under a Federal operating permit. Selected requirements are noted below:

B. Permit Expiration

This condition refers to the five year permit term, to the permittee's responsibility to apply for renewal, to the State Air Pollution Control Board taking action on a permit application, and to the prior terms and conditions remaining in effect until the renewal is issued or denied. The

authority to take action on permit application(s) has been delegated to the Regions as allowed by §2.1-20.01:2 and §10.1-1185 of the *Code of Virginia*, and the “Department of Environmental Quality Agency Policy Statement No. 3-2001”.

J. Permit Modification

This condition cites the following sections from the Virginia Regulations for the Control and Abatement of Air Pollution:

- 9 VAC 5-80-50 Applicability, Federal Operating Permit For Stationary Sources
- 9 VAC 5-80-190 Changes to Permits.
- 9 VAC 5-80-260 Enforcement.
- 9 VAC 5-80-1100 Applicability, Permits For New and Modified Stationary Sources
- 9 VAC 5-80-1605 Applicability, Permits For Major Stationary Sources and Modifications Located in Prevention of Significant Deterioration Areas

U. Malfunction as an Affirmative Defense

The Virginia Regulations for the Control and Abatement of Air Pollution contain two reporting requirements for malfunctions that coincide. Reporting requirements are listed in sections 9 VAC 5-80-250 and 9 VAC 5-20-180. Malfunction requirements are listed in General Conditions U and F.

This condition cites the following sections:

- 9 VAC 5-20-180 Facility and Control Equipment Maintenance or Malfunction
- 9 VAC 5-80-110 Permit Content

Y. Asbestos Requirements

The Virginia Department of Labor and Industry under Section 40.1-51.20 of the Code of Virginia also holds authority to enforce 40 CFR 61 Subpart M, National Emission Standards for Asbestos.

This general condition contains citations from the Code of Federal Regulations as follows:

- 40 CFR 61.145, NESHAP Subpart M. National Emissions Standards for Asbestos as it applies to demolition and renovation.
- 40 CFR 61.148, NESHAP Subpart M. National Emissions Standards for Asbestos as it applies to insulating materials.
- 40 CFR 61.150, NESHAP Subpart M. National Emissions Standards for Asbestos as it applies to waste disposal.

STATE ONLY APPLICABLE REQUIREMENTS

This permit contains no State Only Applicable Requirements

FUTURE AND/OR NEWLY APPLICABLE REQUIREMENTS

There are no known future or newly-applicable requirements for this facility.

INAPPLICABLE REQUIREMENTS

- Boiler MACT (DDDDD) - has been vacated; furthermore, all boilers for which this MACT might apply have been shut down
- Plywood and Composite Wood Products MACT (DDDD) - not applicable (see previous discussion on page 5)

The startup, shut down, and malfunction opacity exclusion listed in 9 VAC 5-40-20 A 3 (for pre-1972 existing emission units) cannot be included in any Title V permit because this portion of the regulation is not part of the federally approved state implementation plan (SIP). The opacity standard applies to existing sources at all times including startup, shutdown, and malfunction. Opacity exceedances during malfunction can be affirmatively defended provided all requirements of the affirmative defense section of this permit are met. Opacity exceedances during startup and shut down will be reviewed with enforcement discretion using the requirements of 9 VAC 5-40-20 E, which state that "At all times, including periods of startup, shutdown, soot blowing and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions." Since this is a new plant as of 1998, the existing source opacity exclusion is not applicable for any equipment at this facility.

In contrast, the similar startup, shut down, and malfunction opacity exclusion listed in 9 VAC 5-50-20 A 4, for emissions units that are new or modified since 1972, is SIP-approved and therefore applies to all emissions units at this facility.

COMPLIANCE PLAN

This facility is not subject to a compliance plan.

INSIGNIFICANT EMISSION UNITS

The insignificant emission units are presumed to be in compliance with all requirements of the Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110. Insignificant emission units include the following:

Emission Unit Description	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
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Crane Industrial Boiler	PM, VOC, NO _x , SO ₂	0.875 MMBtu/hr
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CONFIDENTIAL INFORMATION

The permittee did not submit a request for confidentiality. All portions of the Title V application are suitable for public review.

PUBLIC PARTICIPATION

The draft/proposed permit was advertised for public notice in *The Roanoke Times* on January 29, 2008. The required 30-day public notice period closed on February 28, 2008.

The EPA 45 day concurrent review period was January 29, 2008 through March 14, 2008.

This permit was advertised for *concurrent review*.

No comments were received from the public or from EPA.